

FD/TEO" /2669860

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PCT/FR00/00144

09/869927

FIG 1

	Names	similarities	Repeats	ORFs
	Recons. RNA			
1	7582		yes	538
28274	37879	96%	yes	538
6911	14079	88%	yes	no
35199	27999	89%	yes	413 and 305
91299	94627	88%	no	no

REPLACEMENT SHEET (RULE 26)

FIG 2

	10	20	30	40	50	
	1234567890	1234567890	1234567890	1234567890	1234567890	
	OCTAGAACT	ATTCTGGAGA	ATTGGGACCA	ATGTGACACT	CAGACGCTAA	50
	P R T Y	S G E L	G P M	H S D A K		
	L E R I	L E N W	D Q C D T	Q T L R		
	N V	F W R I	G T N V	T L R R		
	GAAAGAAACG	ATTTATATTC	TTCTGCAGTA	CCGCTGGCC	ACAATATCCT	100
	K E T I	Y I L L	Q Y R L A	T I S S		
	K K R F	I F F C	S T A W P	Q Y P		
	E R N D	L Y S S	A V P P G H	N I L		
	CTTCAAGGGA	GAGAAAGCTG	GCTTCTGAG	GGAAGTATAA	ATTATAACAT	150
	S R E R	N L A S	G K Y K L	H		
	L Q G R	E T W L	P E G S I N	Y N I		
	F K G E	K P G F	L R E V	I I T S		
	CATCTTACAG	CTAGACCTCT	TCTGTAGAAA	GGAGGGCAAA	TGGAGTGAAG	200
	H L T A	R P L L	K G G Q M E	S		
	I L Q L	D L F C	R K E G K W	S E V		
	S Y S	T S S	V E R R A N	G V K		
	TGOCATAIGT	GCAAACITTC	TTTTCATTAA	GAGACAATC	ACAATTATGT	250
	A I C A	N F L F	I K R Q L T	I M		
	P Y V Q	T F F S	L R D N S Q	L C		
	C H M C	K L S F	H E T T H	N Y V		
	AAAAAGTGTG	GTTTATGCCC	TACAGGAAGC	CCTCAGAGTC	CACCTCCTTA	300
	K V W F	M P Y R	K P S E S T	S L		
	K K C G	L C P T	G S P Q S P	P P Y		
	K S V V	Y A L Q	E A L R V H	L P T		
	CCCCAGGTC	COCTCCCCGA	CTCCTTCTC	ACTAATAAG	GACCCCCCTT	350
	P Q R P	L P D S	F L N G	P P F		
	P S V P	S P T P	S S T N K D	P P L		
	P A S P	P R L L	P Q L I R T	P L		
	TAAOCCAAAC	GGTCCAAAG	GAGATAGACA	AAGGGTAAA	CAATGAACCA	400
	N P N G	P K G D	R Q R G K Q	T K		
	T Q T V	Q K E I	D K G V N N	E P		
	P K R S	K R R T	K G T M N Q			
	AAGAGTGOCA	ATATTCCCCG	ATTATGCCCC	CTCCAAGCAG	TGAGAGGAGG	450
	E C Q Y	S P I M	P P P S S E	R R		
	K S A N	I P R L	C P L Q A V	R G G		
	R V P I	F P D Y	A P S K Q	E E E		
	AGAAITGGGC	CCAGGCAGAG	TGCTGTATCC	TTTTCTCTC	TCAGACTTAA	500
	R I R P	S Q S A	C T F F S L	R L K		
	E F G P	A R V P	V P F S L S	D L K		
	N S A Q	P E C L	Y L F L S Q	T		

REPLACEMENT SHEET (RULE 26)

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FIG 2 (continued)

10	20	30	40	50	
1234567890	1234567890	1234567890	1234567890	1234567890	
ACCAAATTAA	AATAGACCTA	GGTAAATTCT	CAGATAACCC	TGACGGCTAT	550
A N .	N R P R .	I L R .	P .	R L Y	
Q I K	I D L	G K F S	D N P	D G Y	
S K L K .	T .	V N S	Q I T L	T A I	
ATTGATGTTT	TACAAAGGTT	AGGACAATCC	TTTGATCTGA	CATGGAGAGA	600
. C F	T R V	R T I L .	S D M E R		
I D V L	Q G L	G Q S	F D L T	W R D	
L M F	Y K G .	D N P L I .	H G E I		
TATAATGTTA	CTACTAAATC	AGACACTAAC	CCCAAATGAG	AGAAGTCCCG	650
Y N V T	T K S	D T N	P K .	E K C R	
I M L	L L N Q	T L T	P N E	R S A A	
. C Y Y .	I R H .	P Q M R	E V P		
CTGTAACTCC	AGCCCGAGAG	TTTGGCGATC	TTTGGTATCT	CAGTCAGGCC	700
C N C	S P R V	W R S	L V S	Q S G Q	
V T A	A R E	F G D L	W Y L	S Q A	
L .	L Q	P E S	L A I	F G I S .	V R P
AACAATAGGA	TGACAACAGA	GGAAAGAACA	ACTCCACAG	GCCAGCAGGC	750
Q .	D D N R	G K N N	S H R	P A G	
N N R M	T T E	E R T	T P T G	Q Q A	
T I G .	Q Q R	K E Q	L P Q	A S R Q	
AGTTCCCACT	GTAGACCTC	ATTGGGACAC	AGAATCAGAA	CATGGAGATT	800
S S Q C	R P S	L G H	R I R T	W R L	
V P S	V D P H	W D T	E S E	H G D W	
F P V .	T L	I G T Q	N Q N	M E I	
GGTGCCACAA	ACATTTGCTA	ACTTGGGTGC	TAGAAGACT	GAGCAAACT	850
V P Q	T F A N	L R A	R R T	E E N .	
C H K	H L L	T C V L	E G L	R K T	
G A T N	I C .	L A C .	K D .	G K L	
AGGAAGAAGC	CTATGAATTA	CTCAATGATG	TCCACTATAA	CACAGGGAAA	900
E E A	Y E L	L N D V	H Y N	T G K	
R K K P	M N Y	S M M	S T I T	Q G K	
G R S L .	I T Q .	C P L .	H R E R		
GGAAGAAAAT	CTTACTGCTT	TTCTGGACAG	ACTAAGGGAG	GCATTGAGGA	950
G R K S	Y C F	S G Q	T K G G	I E E	
E E N	L T A F	L D R	L R E	A L R K	
K K I	L L L	F W T D .	G R H .	G	
AGCATACCTC	CCTGTCAACT	GACTCTATTG	AAGGCCAACT	AATCTTAAAG	1000
A Y L	P V T .	L Y .	R P T	N L K G	
H T S	L S P	D S I E	G Q L	I L K	
S I P P	C H L	T L L	K A N .	S . R	

REPLACEMENT SHEET (RULE 26)

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FIG 2 (continued)

	10	20	30	40	50	
	1234567890	1234567890	1234567890	1234567890	1234567890	
	GATAAGTTTA	TCACTCAGTC	AGCTGCAGAC	ATTAGAAAAA	ACTTCAAAAG	1050
	V Y H S V	S C R H	K K L Q K			
	D K F I	T Q S A A D	I R K N	F K S		
	I S L S L	S Q L Q T	L E K T S	K V		
	TCTGCTTAG	GCCCCGAGCA	GAAGTTAGAA	AACCTATTTA	ACTTGGCATC	1100
	S A L G	P E Q N L E	T L F N	I A S		
	L P	A R S R T	K P Y L	T W H P		
	C L R	P G A E L R N	P I	L G I		
	CTCAGTTTTT	TATAATAGAG	ATCAGGAGGA	GCAGGCGAAA	CGGACAAAC	1150
	S V F Y N R D	Q E E Q A K	R D K R			
	Q F F I I E	I R R S R R N	G T N			
	L S F L	R S G G A G E T	G Q T			
	CGGATAAAAA	AAAAAGGGGG	GGTCCACTAC	TTTAGTCATG	GGCTCAGGC	1200
	D K K K R G	G P L L	S W P S G			
	G I K K K G G	V H Y F S H G	P Q A			
	G	K K K G G S T T	L V M A L R Q			
	AAGCAGACTT	TGAGGCTCT	GCAAAAGGGA	AAAGCTGGGC	AAATCAAATG	1250
	K Q T L E A L	Q K G K A G Q	I K C			
	S R L W R L C	K R E K L G	K S N A			
	A D F G G S	A K G K S W A	N Q M			
	OCTAATAGGG	CTGGCTTCCA	GTCGGGCTTA	CAAGGACACT	TTAAAAAGA	1300
	L I G L A S S	A V Y K D T	L K K I			
	G W L P	V R S T R T L	K R			
	P N R A	G F Q C G L	Q G H F K K D			
	TTATCCAAGT	AGAAATAAGC	CGGCGGCTTG	TGATGCGGC	TTAAGTCAAG	1350
	I Q V E I S	R P L V H A P	Y V K			
	L S K	K A A P L S M P L	T S R			
	Y P S R N K P	P P C P C P	L R Q G			
	GGATCACTG	GAAGGCGGAC	TGCGGCGGGG	GATCAAGATA	CTCTGAGTCA	1400
	G I T G R P T	A P G D E D T	L S Q			
	E S L E G P L	P Q G M K I	L V R			
	N H W K A H	C P R G	R Y S E S			
	GAAGGCATTA	ACGAGATGAT	CCAGCAGCAG	GACTGAGGCT	GGGCGGGGCG	1450
	K P L T R	S S S R T E G	A R G E			
	S H	P D D P A A G	L R V P G A			
	E A I N	Q M I Q Q Q	D G C P G R			
	AGGCGGAGGC	CATGCCATCA	CGCTCAGAGA	GGGCGGGGTA	TGTTTGACCA	1500
	R Q P M P S	P S Q S P G Y	V P			
	S A S P C H H	P H R A P G M	F D H			
	A P A H A I T	L T E P R V	C L T I			

REPLACEMENT SHEET (RULE 26)

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FIG 2 (continued)

10	20	30	40	50
1234567890	1234567890	1234567890	1234567890	1234567890
TTGAGGCCA A				
				1511
L R A				
. E P				
F S Q				

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